



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

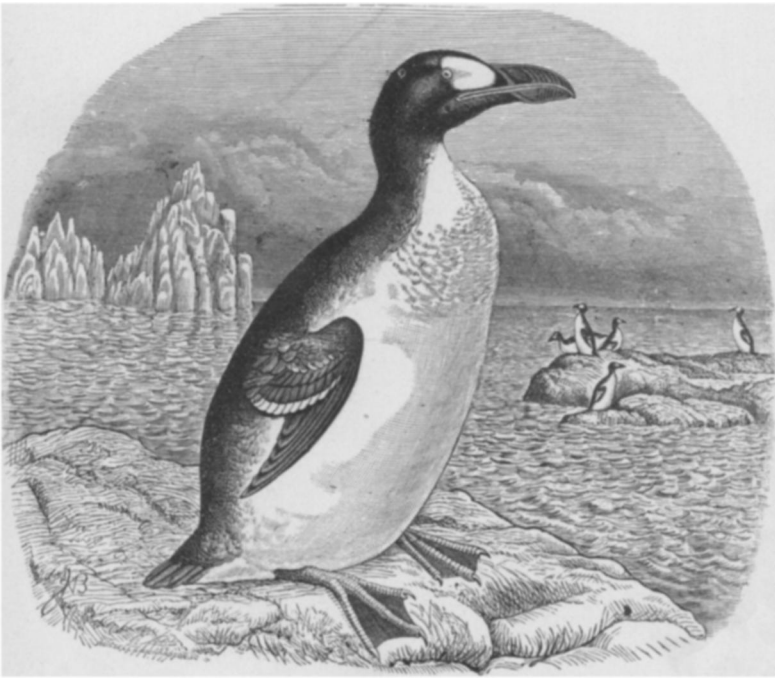
OLD SERIES, } CONTINUATION OF THE { NEW SERIES,
VOL. XV. } BULLETIN OF THE NUTTALL ORNITHOLOGICAL CLUB { VOL. VII

The Auk

A Quarterly Journal of Ornithology

EDITOR,
J. A. ALLEN

ASSOCIATE EDITOR,
C. F. BATCHELDER



VOLUME VII
PUBLISHED FOR
The American Ornithologists' Union

NEW YORK
L. S. FOSTER
1890

CONTENTS OF VOLUME VII.

NUMBER I.

	PAGE
TO WHAT EXTENT IS IT PROFITABLE TO RECOGNIZE GEOGRAPHICAL FORMS AMONG NORTH AMERICAN BIRDS. By <i>J. A. Allen</i>	1
ON THE EASTERN FORMS OF <i>Geothlypis trichas</i> . By <i>Frank M. Chapman</i>	9
A SUMMARY OF OBSERVATIONS ON THE BIRDS OF THE GULF COAST OF FLORIDA. By <i>W. E. D. Scott</i>	14
NOTES ON <i>Pipilo fuscus mesoleucus</i> AND <i>Pipilo aberti</i> . THEIR HABITS, NESTS AND EGGS. By <i>Capt. Charles E. Bendire</i>	22
OBSERVATIONS ON SOME OF THE SUMMER BIRDS OF THE MOUNTAIN PORTIONS OF PICKENS COUNTY, SOUTH CAROLINA. By <i>Leverett M. Loomis</i>	30
ON THE WINTER DISTRIBUTION OF THE BOBOLINK (<i>Dolichonyx oryzivorus</i>), WITH REMARKS ON ITS ROUTES OF MIGRATION. By <i>Frank M. Chapman</i>	39
OBSERVATIONS ON THE AVIFAUNA OF PORTIONS OF ARIZONA. By <i>Dr. Edgar A. Mearns</i>	45
ADDENDUM TO 'A LIST OF THE BIRDS OF THE HUDSON HIGHLANDS, WITH ANNOTATIONS.' By <i>Dr. Edgar A. Mearns</i>	55
NOTE ON THE NESTING OF <i>Buteo brachyurus</i> AT ST. MARKS, FLORIDA. By <i>C. J. Pennock</i>	56
A NEW WREN FROM THE LOWER RIO GRANDE, TEXAS, WITH NOTES ON BERLANDIER'S WREN OF NORTHEASTERN MEXICO. By <i>George B. Sennett</i>	57
SECOND SUPPLEMENT TO THE AMERICAN ORNITHOLOGISTS' UNION CHECK-LIST OF NORTH AMERICAN BIRDS	60
SEVENTH CONGRESS OF THE AMERICAN ORNITHOLOGISTS' UNION	66

RECENT LITERATURE.

Waterhouse's 'Index Generum Avium,' 71; Blanchard on the Nomenclature of Organized Beings, 73; Ridgway's Ornithology of Illinois, 74; Menzbier's Ornithology of Turkestan, 77; Nehrling's Bird Biographies, 78; Minor Ornithological Publications, 79; Publications Received, 86.

GENERAL NOTES.

An Early date of a Rare Bird in South Carolina, 88; The Mottled Duck in Kansas, 88; Capture of the Widgeon (*Anas penelope*) on the James River, Virginia, 88; The King Eider (*Somateria spec-*

tabilis) at Erie, Pennsylvania, 88; The Little Brown Crane (*Grus canadensis*) in Rhode Island, 89; Baird's Sandpiper at New Haven, Connecticut, 89; *Callipepla squamata* in Northeastern New Mexico, 89; The Key West Quail-Dove (*Geotrygon martinica*) at Key West, 90; *Buteo brachyurus* and *B. fuliginosus*, 90; New York City Owls, 90; *Megascops asio maxwelliæ*, 91; The American Hawk Owl near Washington, D. C., 91; Note on *Cyanocitta stelleri litoralis* Maynard, 91; Capture of a Canada Jay (*Perisoreus canadensis*) near Cambridge, Massachusetts, 91; A Second Nest and Eggs of *Picicorvus columbianus* taken in Colorado, 92; Bullock's Oriole in Maine, 92; Notes upon *Coccothraustes vespertina* as a Cagebird, 93; Intergradation between *Zonotrichia leucophrys* and *Z. intermedia*, and between the latter and *Z. gambeli*, 96; Mortality among Bank Swallows, 96; Capture of a Specimen of the Orange-crowned Warbler (*Helminthophila celata*) in the vicinity of Washington, D. C., 96; A Curious Specimen of the Yellow-throated Warbler (*Dendroica dominica*), 97; The Nest and Eggs of *Regulus calendula*, 97; *Myadestes townsendii* Wintering in Montana, 98.

NOTES AND NEWS.

Obituary, John G. Bell, 98; Specimens Exhibited at the A. O. U. Congress, 99; Photographs of Birds, 99; Dr. E. A. Mearns's Collections, 100; Ornithologists at the American Museum, 100; The Late Mr. Snowden Howland's Collection of Eggs, 100; Davie's 'Nests and Eggs of North American Birds,' 100.

NUMBER II.

BARRED OWLS IN CAPTIVITY. By <i>Frank Bolles</i>	101
A SUMMARY OF OBSERVATIONS ON THE BIRDS OF THE GULF COAST OF FLORIDA. By <i>W. E. D. Scott</i>	114
ON THE CHANGES OF PLUMAGE IN THE BOBOLINK (<i>Dolichonyx oryzivorus</i>). By <i>Frank M. Chapman</i>	120
OBSERVATIONS ON SOME OF THE SUMMER BIRDS OF THE MOUNTAIN PORTIONS OF PICKENS COUNTY, SOUTH CAROLINA. By <i>Lev- erett M. Loomis</i>	124
A LIST OF BIRDS OBSERVED AT SANTAREM, BRAZIL. By <i>Clarence B. Riker</i> . With Annotations by <i>Frank M. Chapman</i>	131
THE HORNED LARKS OF NORTH AMERICA. By <i>Fonathan Dwight, Jr.</i>	138
A NEW VIREO FROM CALIFORNIA. By <i>F. Stephens</i>	159
A STUDY OF THE GENUS <i>Dendroornis</i> AND ITS SPECIES. By <i>D. G. Elliot</i>	160

RECENT LITERATURE.

Salvin and Godman's *Biologia Centrali-Americana* — Aves, 189; Saunders's *Manual of British Birds*, 195; Notes on Sport and Ornithology, 196; Doan's *Birds of West Virginia*, 197; The

Quadrat Bone in Birds, 198; Minor Ornithological Publications. 198; Publications received, 201.

GENERAL NOTES.

The Appearance of the Razor-billed Auk (*Alca torda*) on the Coast of North Carolina, 203; The Great Auk in the U. S. National Museum, 203; Eggs of the Florida Dusky Duck, 204; Another Capture of the Widgeon (*Anas penelope*) on the Atlantic Coast, 204; Capture of a Specimen of *Somateria dresseri* in the vicinity of Ottawa, Canada, 204; The Red Phalarope on Lake Erie, 204; Recent Occurrence of the Turkey Vulture in Eastern Massachusetts, 204; Harlan's Hawk a Race of the Red-tail, and not a Distinct Species, 205; Capture of a Third Specimen of the Barn Owl in Massachusetts, 205; The Great Gray Owl in Lewis County, New York, 206; *Picoides arcticus* in Central New York, 206; The Red-bellied Woodpecker in Northwestern New Jersey, 206; Food of Young Hummingbirds, 206; Remarks on certain Species of *Dendroica*, 207; The Purple Grackle at Charleston, South Carolina, 208; *Quiscalus quiscula æneus* Killing and Catching Goldfish, 208; The Evening Grosbeak at Montreal, 209; *Coccothraustes vespertina* in Erie County, N. Y., 209; Evening Grosbeaks in Vermont, 210; *Coccothraustes vespertina* at Amherst, Massachusetts, 210; Evening Grosbeaks in Hampden County, Massachusetts, 210; The Evening Grosbeak in Connecticut, 211; Evening and Pine Grosbeaks in Ontario, 211; The Ipswich Sparrow in Georgia, 211; The Acadian Sharp-tailed Sparrow and Scott's Seaside Sparrow on the Coast of South Carolina, 212; *Passer domesticus* in Cape Breton, 212; Shrikes of Minnesota, 213; Notes on some Minnesota Birds, 213; Note on Pacific Coast Birds, 214.

CORRESPONDENCE.

Recording the Number of Birds Observed, 216.

NOTES AND NEWS.

Obituary, Dr. Ladislas Tackzanowski, 218; Amendments of the A. O. U. By-Laws, 218; A Study of the Genus *Funco*, 219; Minor Ornithological Publications, 219; Record Sheets, 220; Fourth Edition of Dr. Coues's 'Key to North American Birds,' 220; 'Ornithologisches Jahrbuch,' 220; 'The Observer,' 220; Mr. W. E. D. Scott's Explorations, 220; Pileated Woodpecker, 220.

NUMBER III.

AN ACCOUNT OF FLAMINGOES (*Phenicopterus ruber*) OBSERVED IN THE VICINITY OF CAPE SABLE, FLORIDA. By W. E. D. Scott

CAPE COD BIRD NOTES. By G. S. Miller, Jr. 221

221

226

ADDITIONAL NOTES ON THE BIRDS OF ONEIDA COUNTY, NEW YORK. By <i>William L. Ralph</i> and <i>Egbert Bagg</i>	229
NOTES ON THE NESTING HABITS OF SEVERAL BIRDS OF SAN JOSÉ, COSTA RICA. By <i>George K. Cherrie</i>	233
NOTES ON THE FRINGILLIDÆ OF WESTERN ILLINOIS. By <i>Otho C. Poling</i>	238
DESCRIPTIONS OF A NEW SPECIES AND THREE NEW SUBSPECIES OF BIRDS FROM ARIZONA. By <i>Dr. Edgar A. Mearns, U. S. A.</i>	243
OBSERVATIONS ON THE AVIFAUNA OF PORTIONS OF ARIZONA. By <i>Dr. Edgar A. Mearns, U. S. A.</i>	251
TWO SPECIES OF SWALLOW NEW TO NORTH AMERICA. By <i>W. E. D. Scott</i>	264
A LIST OF BIRDS OBSERVED AT SANTAREM, BRAZIL. By <i>Clarence B. Riker</i> . With annotations by <i>Frank M. Chapman</i>	265

RECENT LITERATURE.

Ridgway on the Genus *Xiphocolaptes*, 271; Ridgway on the Genus *Sclerurus*, 272; Ridgway on Birds from the Galapagos Islands, the Abrolhos, the Island of Santa Lucia, and from the Straits of Magellan, 273; Chapinan on the Genus *Xiphorhynchus*, 274; Berlepsch on some Neotropical Birds in the U. S. National Museum, 275; Stejneger on European Titmice, 275; Stejneger on Hawaiian Birds, 275; Stejneger's 'Review of Japanese Birds,' 276; Lucas on the Osteology of the Thrushes and Wrens, 277; Shufeldt on the Osteology of the Ardeinæ, 277; Shufeldt on the Relationships of the Genus *Chamæa*, 278; Shufeldt's Studies of the Macrochires, 278; Shufeldt on the Osteology of the North American Passeres, 279; Maynard's 'Eggs of North American Birds,' 280; Bryant's 'Catalogue of the Birds of Lower California,' 281; Anthony on New Birds from Lower California, 281; Sennett on Bird Legislation, 282; Publications Received, 282.

GENERAL NOTES.

Black Guillemot in Connecticut, 283; the Widgeon (*Anas penelope*) near Baltimore, Md., 283; The King Eider (*Somateria spectabilis*) at Brunswick, Ga., 284; The Snow Goose (*Chen hyperborea nivalis*) on the Coast of Maine, 284; Former Abundance of the Wild Pigeon in Central and Eastern New York, 284; Harlan's Hawk, 285; Habits of the Barred Owl, 286; *Phalænoptilus nuttalli nitidus* Breeding in Kansas. Is it a Valid Race, or a Color Phase of *P. nuttalli*?, 286; Food and Habits of the Ruby-throated Hummingbird, 286; Snake Skins in the Nests of *Myiarchus crinitus*, 288; Wintering of the Red-winged Blackbird near Cambridge, Mass., 288; (*Coccothraustes vespertina*) in Taunton, Massachusetts, 289; The Evening Grosbeak (*Coccothraustes vespertina*) near Springfield, Mass., 289; *Junco hyemalis shufeldti* in Maryland, 289; Seaside Sparrows at Monomoy Island, Cape Cod, 289; Young Cedarbirds and Great Crested Flycatchers in Captivity, 290; Song of the Female Butcher Bird, 290; *Helminthophila celata* at Montreal, 290; The Song of *Helminthophila leucobronchialis*, 291; *Dendroica cærulea* again in the District of Columbia, 291; *Cistothorus stellaris* at Washington, D. C., 291; Capture of the Hudsonian Chickadee in Worcester County, Mass., 291; A Yellow-crowned *Regulus calendula*, 292; The Breeding Ranges and Songs of Three Thrushes in Montana, 292; Additional Notes

on the Probable Breeding of *Saxicola ananthe* near Godbout, Province of Quebec, Canada, 294; Notes on Several Species of Water Birds at Muskeget Island, Massachusetts, 294; Notes on Several Birds in the Catskill Mountains, 295; Notes on Birds observed in the Colorado Desert in Winter, 296.

CORRESPONDENCE.

The Delaware Valley Ornithological Club, 298.

NOTES AND NEWS.

Obituary, John Henry Gurney, 299; Zoe, a Biological Journal, 300; A New Book by Capt. Bendire, 300.

NUMBER IV.

ON BIRDS OBSERVED AT THE DRY TORTUGAS, FLORIDA, DURING PARTS OF MARCH AND APRIL, 1890. By <i>W. E. D. Scott</i> . . .	301
A SUPPOSED NEW SPECIES OF HUMMINGBIRD IN THE ROYAL ZOÖLOGICAL MUSEUM OF DRESDEN. By <i>A. B. Meyer</i> . . .	315
<i>Somateria dresseri</i> , THE AMERICAN EIDER. By <i>George H. Mackay</i> . . .	315
ON A COLLECTION OF BIRDS FROM FORT CHURCHILL, HUDSON'S BAY. By <i>W. Eagle Clarke</i> . . .	319
THE NESTING OF THE YELLOW-THROATED WARBLER AT RALEIGH, N. C. By <i>C. S. Brimley</i> . . .	323
BIRDS FOUND BREEDING ON SEVEN MILE BEACH, NEW JERSEY. By <i>Charles S. Shick</i> . . .	326
NOTES ON HABITS AND NESTING OF <i>Vireo flavoviridis</i> (CASS.). By <i>George K. Cherrie</i> . . .	329
NORTH AMERICAN BIRDS FOUND AT SAN JOSÉ, COSTA RICA, WITH NOTES ON THEIR MIGRATION. By <i>George K. Cherrie</i> . . .	331
NOTES ON HABITS OF A FEW BIRDS OF ORANGE COUNTY, FLORIDA. By <i>D. Mortimer</i> . . .	337
DESCRIPTION OF A NEW SPECIES OF <i>Icterus</i> FROM ANDROS ISLAND, BAHAMAS. By <i>F. A. Allen</i> . . .	343
A LIST OF BIRDS FROM NORTHEAST BORNEO, WITH FIELD NOTES BY MR. C. F. ADAMS. By <i>D. G. Eliot</i> . . .	346
SUMMER ROBIN ROOSTS. By <i>William Brewster</i> . . .	360
ON A COLLECTION OF BIRDS MADE DURING THE WINTER OF 1889-90, BY CYRUS S. WINCH, IN THE ISLANDS OF ST. THOMAS, TORTOLA, ANEGADA, AND VIRGIN GORDA, WEST INDIES. By <i>Charles B. Cory</i> . . .	373
DESCRIPTION OF A NEW SUBSPECIES OF WILD TURKEY. By <i>W. E. D. Scott</i> . . .	376
A NEW SUBSPECIES OF THE SOLITARY SANDPIPER. By <i>William Brewster</i> . . .	377

RECENT LITERATURE.

Slater's Catalogue of the Tracheophonæ, 379; Allen on Birds from Quito, 380; Allen on Birds collected in Bolivia, 381; Allen on the Genus *Cyclorhis*, 382; Allen's Descriptions of New South American Birds, 384; Allen on Individual and Seasonal Variation in the Genus *Elainea*, 385; Allen on the Maximilian Types of South American Birds, 386; Dionne's Catalogue of the Birds of Quebec, 387; Proceedings of the Linnæan Society, 387; Minor Ornithological Publications, 388; Publications Received, 398.

GENERAL NOTES.

The Little Black Rail (*Porzana jamaicensis*) at Key West, Florida, 400; The Dowitcher at Ottawa, 400; The American Barn Owl near Troy, New York, 400; *Strix pratincola* in Western New York, 400; A Correction, 400; Breeding of the Pileated Woodpecker in Worcester County, Massachusetts, 400; *Melanerpes aurifrons* in Young Co., Texas, in 1878, 401; Notes on *Eugenus fulgens*, 402; The Philadelphia Vireo in Vermont, 403; Spotted Eggs of Swainson's Warbler, 403; *Helminthophila chrysoptera* in Manitoba, 404; Was he a Philanthropist? 404; Capture of a Second Specimen of the Hooded Warbler in Massachusetts, 407; Interesting Nesting Site of a Winter Wren (*Troglodytes hiemalis*), 407; The Hudsonian Chickadee (*Parus hudsonicus*) in Vermont and Massachusetts, 407; (*Myadestes townsendii* in Nebraska, 408; The Long-billed Marsh Wren, Maryland Yellowthroat, Nashville Warbler, and Great Blue Heron in Eastern Massachusetts in Winter, 408; Two Notes from South Carolina, 410.

CORRESPONDENCE.

A Query in regard to the Least Tern, 410.

NOTES AND NEWS.

Obituary, William Kitchen Parker, 411; Eighth Congress of the A. O. U., 412; Second International Ornithological Congress, 412; Sparrow Legislation, 413; New Books, 414; Work of the Division of Economic Ornithology and Mammalogy, 414; Mr. Jonathan Dwight, Jr., 414.